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... This rule illustrates the use of an execSQL TriggerMan command that allows SQL statements to ... to two data sources, the AND of its conjuncts is a join predicate, ...

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... A continual query is defined by a triple (\$Q\$, \$T {cq}\$, Stop), consisting of a normal guery \$Q\$ (eg, written in SQL), a trigger condition \$T {cq}\$, and a ... Cited by 286 - Related articles - Web Search - BL Direct - All 18 versions

Improving data cleaning quality using a data lineage facility H Galhardas, D Florescu, D Shasha, E Simon, CA ... - Proc. DMDW'01, 2001 - tagus.ist.utl.pt ... The view operator, which essentially corresponds to an SQL select statement, takes

several relations as input and returns a sin- gle relation as output; it can ... Cited by 24 - Related articles - View as HTML - Web Search - All 7 versions

Rule based database access control—a practical approach

T Didriksen - Proceedings of the second ACM workshop on Role-based access .... 1997 - portal acm.org ... Rules in database systems are often described with the event, condition, action or < E.C.A> paradigm ... The symbol "W" corresponds to the SQL join opera- tor. ...

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Eliminating costly redundant computations from SQL trigger executions

F Llirbat, F Fabret, E Simon - ACM SIGMOD Record, 1997 - portal.acm.org ... Throughout this paper, we consider relational databases and Event-Condition-Action rules (henceforth ... The condition is an SQL search condition over the database ... Cited by 13 - Related articles - Web Search - BL Direct - All 5 versions

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L Li. S Chakravarthy - Data Engineering, 1999. Proceedings., 15th International ..., 1999 - ieeexplore.ieee.org ... can be done by defining event-condition-action (ECA) rules ... from LED and generate the SQL code for ... Join syscontext and dbname.username. TableName.inserted (or ... Cited by 22 - Related articles - Web Search - Library Search - BL Direct - All 7 versions

An algebraic approach to static analysis of active database rules

E Baralis, J Widom - ACM Transactions on Database Systems (TODS), 2000 - portal.acm.org ... Section 4 we describe our event-condition-action (ECA) and ... us to represent the SQL data modification ... select ( ), project ( ), cross-product ( ), natural join ( ... Cited by 67 - Related articles - Web Search - BL Direct - All 4 versions

The hyperion project: from data integration to data coordination - > toronto.edu ppp M Arenas, V Kantere, A Kementsietsidis, I Kiringa, ... - ACM SIGMOD Record, 2003 - portal acm.org

... New peers may join or leave the network at ... we propose a mechanism which uses event-condition-action (ECA) rules ... expressed for conve-nience as an SQL trigger). ... Clted by 86 - Related articles - Web Search - BL Direct - All 14 versions

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E Baralis, J Widom, Computer Science Dept, ... - PROCEEDINGS OF THE INTERNATIONAL CONFERENCE

ON VERY LARGE ..., 1994 - reports, stanford.edu
... in a recent paper KU94, where Event- Condition-Action rules are ... allows us to represent

the SQL data modication ... cross-product , natural join 1 , union ...

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An Introduction to the TriggerMan Asynchronous Trigger Processor

EN Hanson, S Khosla - Rules in Database Systems: Third International Workshop, ..., 1997 - books.google.com ... work on database triggers follows the event-condition-action (ECA) rule ... and having clauses familiar to users of SQL.... to test election and join conditions, plus ...

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# Scalable trigger processing

Hanson, E.N., Carnes, C., Huang, L., Konyala, M., Noronha, L., Parthasarathy, S., Pr. CISE Dept., Florida Univ., Gainesville, FL:

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#### Abstract

1

Current database trigger systems have extremely limited scalability. This paper proposes truly scalable trigger system. Scalability to large numbers of triggers is achieved with a tri main memory effectively, and a memory-conserving selection predicate index based on t expression formats called expression signatures. A key observation is that if a very large are created, many will have the same structure, except for the appearance of different co a trigger is created, tuples are added to special relations created for expression signature constants. These tables can be augmented with a database index or main-memory index a predicate index. The design presented also uses a number of types of concurrency to a including token (tuple)-level, condition-level, rule action-level and data-level concurrency

#### Index Terms inspec

#### Controlled Indexing

active databases cache storage concurrency control database indexing

#### Non-controlled indexing

condition-level concurrency constant values data-level concurrency database structure database trigger systems expression signatures main memory usac memory index structure memory-conserving selection predicate index rule acti concurrency scalability scalable trigger processing token-level concurrency

Author Keywords

cache trigger structure tuples unique expression formats

# Not Available

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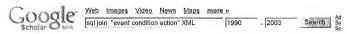
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IPDFI ► OntoAgent: A Platform for the Declarative Specification of Agents

A Eberhart - Proceedings of the International Workshop on Rule Markup ..., 2002 - mindswap.org

... Event Condition Action Rules ... the equi-join of b and c on the variable Y. In turn, the ... Microsoft Access which is used as a graphical front-end for SQL Server. ...

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## Continuous queries over data streams - ►uoc.gr [PDF]

- S Babu, J Widom ACM SIGMOD Record, 2001 portal.acm.org
- ... if the load exceeds a threshold T. A SQL version of ... case where Q is a self-join,

we can ... Triggers, also called event-condition-action rules, are used to monitor ...

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A Gupta, M Bhide, M Mohania - Data Engineering, 2003. Proceedings. 19th International ..., 2003 - ieeexplore.ieee.org

... interpretation of ECA (Event-Condition-Action) rule. ... Using SQL, parts of multiple

tables can be selected using Cartesian product or Join, allowing the ...

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... We have successfully implemented K-way join, Query/Sub ... was provided through an ODBC

or SQL cursor interface ... into a set of rules (event-condition-action rules so ...

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G Zimbrão, R Miranda, JM de Souza, MH Estolano, ... - 2003 - Ibd.dcc.ufmg.br ... 2,6,21] presents a model of event-condition-action rules, or ... out in [4] for mapping

... 2,5,21] presents a model of event-condition-action rules, or ... out in [4] for mappil from OCL to SQL, ... the navigation pattern – we used join operations instead ...

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DKW Chiu, WCW Chan, GKW Lam, SC Cheung, FT Luk - System Sciences, 2003. Proceedings of the 36th Annual Hawaii ..., 2003 - ieeexplore.ieee.org

... Event driven execution of rules in event-condition-action (ECA) form can ... Therefore,

without significant reasons, clients will unlikely join another brokerage ...

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E Kafeza, DKW Chiu, I Kafeza - LECTURE NOTES IN COMPUTER SCIENCE, 2001 - Springer ... determines whether there is a join immediately before ... derived objects specified with object-SQL can be ... can be specified in (Event, Condition, Action) form or ... Cited by 35 - Related articles - Web Search - BL Direct - All 4 versions

ObjectGlobe: Ubiquitous query processing on the Internet - ► tu-muenchen,de рър; R Braumandi, M Keidi, A Kemper, D Kossmann, A ... - The VLDB Journal The International Journal on Very Large ..., 2001 - Springer ... sketched in Fig. 3. The real XML plan is ... the operator is executed, eg, the final join

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... to entities in the form of Event-Condition-Action (ECA) rules. ... the tool generates

an active SQL-92 database ... operators such as projection, join and aggregation ... Related articles - Web Search

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